

**WEST****Freeform Search****Database:**

US Patents Full-Text Database  
 US Pre-Grant Publication Full-Text Database  
 JPO Abstracts Database  
 EPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Term:**

L7 and (organic acid or acid)

**Display:**  **Documents in Display Format:**  **Starting with Number** **Generate:** ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

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**Search History****DATE:** Thursday, August 21, 2003 [Printable Copy](#) [Create Case](#)**Set Name** **Query**  
side by side**Hit Count** **Set Name**  
result set*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L8</u>	L7 and (organic acid or acid)	9	<u>L8</u>
<u>L7</u>	L6 not I5	37	<u>L7</u>
<u>L6</u>	L1 and (print\$ or record\$)	38	<u>L6</u>
<u>L5</u>	L4 and (polycarboxyl\$ or dicarboxyl\$)	20	<u>L5</u>
<u>L4</u>	L1 and (organic acid or acid)	376	<u>L4</u>
<u>L3</u>	L1 and (ink jet or inkjet or ink-jet)	1	<u>L3</u>
<u>L2</u>	L1 and (ink jet or inkjet or inkjet)	1	<u>L2</u>
<u>L1</u>	phase separation or (poor solvent and good solvent)	1257	<u>L1</u>

END OF SEARCH HISTORY

**Set Name Query**  
side by side**Hit Count Set Name**  
result set*DB=USPT; PLUR=YES; OP=ADJ*

<u>L20</u>	L5 not (18 or 110)	121	<u>L20</u>
<u>L19</u>	L18 and epoxy	0	<u>L19</u>
<u>L18</u>	3091537.pn.	1	<u>L18</u>
<u>L17</u>	116	364	<u>L17</u>

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L16</u>	L13 and (ink jet or inkjet or ink-jet)	523	<u>L16</u>
<u>L15</u>	L14 and (ink jet or inkjet or ink-jet)	7	<u>L15</u>
<u>L14</u>	(Crosslink\$ or cross-link\$ or hardener) with ((polycarboxylic acid or dicarboxylic acid) same (phthalic acid or phthalic anhydride or isophthalic acid or terephthalic acid or trimellitic acid or pyrromellitic acid))	346	<u>L14</u>
<u>L13</u>	(polycarboxylic acid or dicarboxylic acid) same (phthalic acid or phthalic anhydride or isophthalic acid or terephthalic acid or trimellitic acid or pyrromellitic acid)	31819	<u>L13</u>
<u>L12</u>	6277476.pn. and (crosslink\$ or cross-link\$)	1	<u>L12</u>
<u>L11</u>	L10 not (19 or 18 or 17)	43	<u>L11</u>
<u>L10</u>	(ink jet or inkjet or ink-jet).clm. and ((Crosslink\$ or cross-link\$ or hardener) same (phthalic acid or phthalic anhydride or isophthalic acid or terephthalic acid or trimellitic acid or pyrromellitic acid))	64	<u>L10</u>
<u>L9</u>	L8 not 17	20	<u>L9</u>
<u>L8</u>	L5 and (ink jet or inkjet or ink-jet).ti.	23	<u>L8</u>
<u>L7</u>	L6 and (ink jet or inkjet or ink-jet).ti.	3	<u>L7</u>
<u>L6</u>	L5 and (polycarboxylic acid or dicarboxylic acid)	104	<u>L6</u>
<u>L5</u>	(ink jet or inkjet or ink-jet) and ((Crosslink\$ or cross-link\$ or hardener) same (phthalic acid or phthalic anhydride or isophthalic acid or terephthalic acid or trimellitic acid or pyrromellitic acid))	206	<u>L5</u>
<u>L4</u>	20010021439.pn.	2	<u>L4</u>
<u>L3</u>	12 and (acid or organic acid)	44	<u>L3</u>
<u>L2</u>	(ink jet or inkjet or ink-jet).and ((receiving or absorbing or accepting or receptive or absorptive) same (phase separation))	53	<u>L2</u>
<u>L1</u>	(ink jet or inkjet or ink-jet) and (phase separation)	615	<u>L1</u>

END OF SEARCH HISTORY

**WEST**

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**Term:**

L5 not (18 or 110)

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### Search History

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**DATE:** Thursday, August 21, 2003   [Printable Copy](#)   [Create Case](#)

**WEST**

Generate Collection

L4: Entry 15 of 16

File: DWPI

Mar 14, 1989

DERWENT-ACC-NO: 1989-120552

DERWENT-WEEK: 198916

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TITLE: Burnt-out printing process for polyester fibre structure - involves using paste contg. acidic inorganic salt, non-volatile organic acid and alkylene carbonate, heating and treating with alkali

PATENT-ASSIGNEE:

ASSIGNEE

MITSUBISHI RAYON CO LTD

CODE

MITR

PRIORITY-DATA: 1987JP-0221071 (September 3, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 01068569 A	March 14, 1989		004	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 01068569A	September 3, 1987	1987JP-0221071	

INT-CL (IPC): D06M 5/10; D06M 13/16; D06Q 1/02

ABSTRACTED-PUB-NO: JP 01068569A

BASIC-ABSTRACT:

In the burnt-out printing of e.g. (non)-modified polyester (non)woven fabrics, etc. such as polyethylene terephthalate, an acid inorganic salt, e.g. ferrous sulphate, etc. a non-volatile organic acid, e.g. tartaric acid, etc. and an alkylene carbonate e.g. water-sol. ethylene carbonate, etc. are adhered or printed in paste form heated at 110-190 deg.C for 0.1-5 min., and then treated with an alkali using a 2-30 l/g aq. soln. of caustic soda for 5-90 min.

USE/ADVANTAGE - Effectively performs burnt-out printing of polyester fibre structures either partly or completely without lowering the strength of the fibres.

CHOSEN-DRAWING: Dwg.0/2

TITLE-TERMS: BURN PRINT PROCESS POLYESTER FIBRE STRUCTURE PASTE CONTAIN ACIDIC INORGANIC SALT NON VOLATILE ORGANIC ACID ALKYLENE CARBONATE HEAT TREAT ALKALI

DERWENT-CLASS: A23 A35 F06

CPI-CODES: A05-E01B2; A10-E05; A11-C05; A12-S05T; F03-C08; F03-H;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0540U; 1729U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0037 0206 0224 0105 0229 1291 3178 1319 1462 1996 2198 2200 2311 2319 2486 2524 2528 2635 2820 2821

Multipunch Codes: 014 03- 07- 075 09&amp; 143 144 15- 155 163 166 169 170 171 23&amp; 231 236

304 32& 342 359 44& 481 483 546 551 567 573 664 665 667 725

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1989-053760